

FY 2002 Advanced Diagnostics Review Process

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Advanced Diagnostics Review

- Disclaimer: What I say here and what I may have said or will say in other public talks or personal conversations is subject to change. The guidelines and requirements in a Federal Register Announcement are what need to be adhered to when submitting a proposal in response to an Announcement

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- Looking to revitalize the program
- Current programs have been on a flat budget for several review cycles
 - Unable to support graduate students & postdocs
 - Unable to purchase equipment
 - Travel limited – makes collaborations difficult

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- Entire existing diagnostics program is being competed for FY 2002
- New submissions will be encouraged
- Federal Register announcement anticipated for early May

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- FY2002 budget for diagnostics is flat
- Increasing the funding to individual diagnostics programs and the likelihood of new players implies some programs will not be renewed

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- We will be seeking proposals to **develop new** measurement capabilities in a given class of magnetic fusion devices
- These measurements must be recognized by the fusion community and OFES as having the potential to advance the understanding of plasma behavior in magnetic fusion experiments

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- Anticipate a proposal due date of early August
 - This is 2 months earlier than the grant renewal lead time of 6 months to allow sufficient time for the review process
- Labs that were not part of the 1998 diagnostics initiative will be funded at the start of FY2002 (Oct. 2001) for ~ 6 months

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- To encourage and help ensure the submission of good proposals, a letter was sent to key people at our experimental sites and the TTF group requesting their assistance
- OFES Web site with links to Web pages from the experimental/TTF groups listing measurement needs

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Dear Colleague,

“The OFES advanced diagnostics development program will undergo a major review and competition process for FY2002 funding. We will be seeking proposals to *develop new* measurement capabilities in a given class of magnetic fusion devices. This process is intended to provide the magnetic fusion experimental and theory/modeling groups with an opportunity for acquiring measurement capabilities that do not currently exist...

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“...I want to encourage and help ensure that OFES receives proposals for measurements that are recognized as important to the magnetic fusion program... OFES plans to have a Web site with links to Web pages from the fusion community that have a list of ‘new measurement needs’...”

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“...A prioritized list of such needs for your experiment or code, with any brief explanation you deem necessary, would provide a guide to the diagnosticians who plan to submit a proposal. In addition to information on the needs, the name, phone number, and/or e-mail address of a contact person in your group would make it possible for the diagnosticians to discuss other requirements, such as port space, installation hardware, engineering support at your facility, etc...”

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- **Addressees:**
- Dave Anderson, HSX
- Ray Fonck, Pegasus
- Walter Gekelman, LAPD
- Dave Hill, SSPX
- Alan Hoffman, TCSS
- Dave Johnson, NSTX
- Jay Kesner, LDX
- Steve Knowlton, CTH
- Tony Leonard, DIII-D
- Earl Marmor, C-Mod
- Gerry Navratil, HBT-EP
- Dave Newman, TTF
- Stewart Prager, MST
- Dick Siemon, MTF
- Ed Synakowski, TTF
- Bob Taylor, ET
- Paul Terry, TTF

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- If you have not received a copy of the letter and want to make a Web site available to this process, send me the URL
- Note that we are seeking *new* measurement capability that also requires *development*
- We are not seeking to provide funding for installation or operation of proven diagnostics
 - This is a machine responsibility

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- OFES will need assistance in identifying reviewers
 - Please be responsive if you are asked to do a mail review or to serve on a panel